[topcoder]

VA Kidney Native iPhone App Build Screen Functionality Challenge #2 - Deployment Guide

Revision History

Author	Revision Number	Date
TCCODER	1.0	Dec 25, 2017
TCCODER	1.1	Feb 04, 2018
TCCODER	1.2	Mar 04, 2018
TCCODER	1.3	Apr 01, 2018

Deployment Instructions

1. Deployment Dependencies

Before performing a deployment, it is assumed that the following have been set up:

- Xcode 9.2+
- OS X 10.12.6 or above
- iOS SDK 11 or above
- iPhone device or simulator with iOS 10+

2. Organization of Submission

- *src* – this directory contains the source code
- *src/VAKidneyNutrition.xcworkspace* – Xcode workspace to open.
- *docs* – this directory contains the documents for this application, including this deployment guide

3. 3rd party Libraries

SwiftyJSON - https://github.com/SwiftyJSON/SwiftyJSON
SwiftyJSON makes it easy to deal with JSON data in Swift. Version: 4.0.0

Charts - https://github.com/danielgindi/Charts
Version: 3.0.5

All libraries are configured in *src/Podfile*

4. Configuration

4.1. VAKidneyNutrition/Supporting Files/configuration.plist

You can access *configuration.plist* in Xcode in *VAKidneyNutrition.xcodeproj* project - *Supporing Files/configuration.plist*

configuration.plist file provides the following options:

- **ndbApiBaseUrl** - NDB base URL for API (see USDA nutrient database)
- **ndbApiKey** - NDB API key (see USDA nutrient database)
- **fdaApiBaseUrl** - FDA base URL for API (see FDA Drug Interaction and Product Labeling Database)
- **fdaApiKey** - FDA API key (see FDA Drug Interaction and Product Labeling Database)

4.2. Sample data

Sample data (used to fill the prototype with data) are stored in JSON files in *VAKidneyNutrition/Supporting Files/Sample Data/* group.
`allGoals.json` and `labValues.json` files added and define dependency of the generated goals and shown major lab values in Charts screen.

5. Deployment Instructions

5.2. Build and run the app in a simulator or on a real device

Pods directory should be pulled using the following command runned from `src` directory:

```
$ pod install
```

To build and run the app in a simulator or on a real device you will need to do the following:

1. Open *src/VAKidneyNutrition.xcworkspace* in Xcode
2. Select *VAKidneyNutrition* scheme from the top left drop down list.
3. Select a real iPhone (when connected) or a simulator from the top left dropdown list.
4. Click menu Product -> Run (Cmd+R)
5. Follow the verification steps in 7. Verification

6. Verification

Follow the challenge description and forum messages to verify the app. See some notes below. Also you can follow the video (how to launch the server and verify the screens) - https://youtu.be/CMIuq7SDJ0o .

Notes
- You must remove previously installed app on your device/simulator because Core Data model changed and requires fresh install.
- See details about fixed issues in README.rtf

7. Resource Contact List

Name	Resource Email
TCCODER	Through TopCoder Member Contact